

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/539,213
Source: PCT/10
Date Processed by STIC: 6/24/05

ENTERED



PCT

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/539,213

DATE: 06/24/2005
TIME: 15:21:15

Input Set : A:\Sequence Listing.txt
Output Set: N:\CRF4\06242005\J539213.raw

3 <110> APPLICANT: Agrinomics LLC
5 <120> TITLE OF INVENTION: GENERATION OF PLANTS WITH ALTERED OIL CONTENT
7 <130> FILE REFERENCE: 6616-71292-08

C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/539,213
C--> 9 <141> CURRENT FILING DATE: 2005-06-17
9 <150> PRIOR APPLICATION NUMBER: PCT/US2003/041146
10 <151> PRIOR FILING DATE: 2003-12-18
12 <150> PRIOR APPLICATION NUMBER: 60/434,763
13 <151> PRIOR FILING DATE: 2002-12-18
15 <160> NUMBER OF SEQ ID NOS: 6
17 <170> SOFTWARE: PatentIn version 3.2
19 <210> SEQ ID NO: 1
20 <211> LENGTH: 5034
21 <212> TYPE: DNA
22 <213> ORGANISM: Arabidopsis thaliana
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39 tgcaatacat gggagatgag caacggatct tctagaagtttgcagggccattttgttatt 480
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43 gtggtaact ctggatcc agccaaactcg gctcattatc tggacaatgatcagatacc 600
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63 gaggagatga gttcttagaaa gaaacaacgt ctcgggtgggtgagact ggcgaaatata 1200
65 gagaaaaaga aagttgtatgttgcataatgatgttgc 1260
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161	gcaaacagaa	ccagaaattt	tggccttgg	cctgtttagt	cacccat	tttcaggat	4140
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173	aaatctgatt	tgatgtttaaa	aacccaaatgc	acaggttgc	gcttctcat	caccaagtgt	4500
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196 <212> TYPE: PRT
197 <213> ORGANISM: Arabidopsis thaliana
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209 Trp Arg Asp Ser Pro Ser Ser His His Val Pro Arg Glu Phe Ser Ser
210 35 40 45
213 Arg Leu Gly Ser Gly Asp Phe Arg Arg Pro Ser Ser Leu Thr Gln Leu
214 50 55 60
217 Leu Arg Leu Ile Gly Ser Glu Leu Met Arg Leu Leu Phe Lys Gly Ala
218 65 70 75 80
221 Ile Phe Asn Thr Gln Gly Gly Arg His Gln Phe Val Glu Glu Thr Ser
222 85 90 95
225 His Gly Tyr Thr Ser Ser Arg Ser Ser Ala Arg Met Phe Asp Asn Tyr
226 100 105 110
229 Arg Pro Ser Ala Ser Arg Gly Asp Trp Arg Tyr Thr Arg Asn Cys Arg
230 115 120 125
233 Asp Asp Arg Val Ser Val Ser Gln Lys Glu Trp Lys Cys Asn Thr Trp
234 130 135 140
237 Glu Met Ser Asn Gly Ser Ser Arg Ser Phe Glu Arg Pro Phe Gly Ile
238 145 150 155 160
241 Arg Asn Gly Arg Arg Ser Val Asp Glu Arg Pro Leu His Ala Ser Asp
242 165 170 175
245 Thr His Ser Thr Val Val Asn Ser Leu Asp Pro Ala Asn Ser Ala His
246 180 185 190
249 Tyr Leu Asp Asn Glu Ile Ser Thr Pro Val Arg Ser Leu Lys Ile Lys
250 195 200 205
253 Asn Glu His Lys Phe Ser Asp Gln Arg Leu Ser Leu Pro Ser Asp Pro
254 210 215 220
257 His Ser Glu Cys Ile Ser Leu Phe Glu Arg Pro Ser Ser Glu Asn Asn
258 225 230 235 240
261 Tyr Gly Asn Lys Val Cys Ser Pro Ala Lys Gln Cys Asn Asp Leu Met
262 245 250 255
265 Tyr Gly Arg Arg Leu Val Ser Asp Asn Ser Leu Asp Ala Pro Ile Pro
266 260 265 270
269 Asn Ala Glu Leu Glu Gly Thr Trp Glu Gln Leu Arg Leu Lys Asp Pro
270 275 280 285

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273 Gln Asp Asn Asn Ser Leu His Gly Ile Asn Asp Ile Asp Gly Asp Arg
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281 Trp Asn Ser Ser Gly Ser Phe Ala Ser Gln Ser Ser Gly Phe Ser His
282 325 330 335
285 Ser Ser Ser Leu Lys Ser Leu Gly Ala Val Asp Ser Ser Asp Arg Lys
286 340 345 350
289 Ile Glu Val Leu Pro Lys Ile Val Thr Val Thr Gln Ser Ser Ser Gly
290 355 360 365
293 Asp Ala Thr Ala Cys Ala Thr Thr Thr His Leu Ser Glu Glu Met Ser
294 370 375 380
297 Ser Arg Lys Lys Gln Arg Leu Gly Trp Gly Glu Gly Leu Ala Lys Tyr
298 385 390 395 400
301 Glu Lys Lys Lys Val Asp Val Asn Pro Asn Glu Asp Gly Thr Thr Leu
302 405 410 415
305 Met Glu Asn Gly Leu Glu Glu Leu His Ser Leu Asn Lys Asn Ile Ala
306 420 425 430
309 Asp Lys Ser Pro Thr Ala Ala Ile Val Pro Asp Tyr Gly Ser Pro Thr
310 435 440 445
313 Thr Pro Ser Ser Val Ala Cys Ser Ser Ser Pro Gly Phe Ala Asp Lys
314 450 455 460
317 Ser Ser Pro Lys Ala Ala Ile Ala Ala Ser Asp Val Ser Asn Met Cys
318 465 470 475 480
321 Arg Ser Pro Ser Pro Val Ser Ser Ile His Leu Glu Arg Phe Pro Ile
322 485 490 495
325 Asn Ile Glu Glu Leu Asp Asn Ile Ser Met Glu Arg Phe Gly Cys Leu
326 500 505 510
329 Leu Asn Glu Leu Leu Gly Thr Asp Asp Ser Gly Thr Gly Asp Ser Ser
330 515 520 525
333 Ser Val Gln Leu Thr Ser Met Asn Thr Leu Leu Ala Trp Lys Gly Glu
334 530 535 540
337 Ile Leu Lys Ala Val Glu Met Thr Glu Ser Glu Ile Asp Leu Leu Glu
338 545 550 555 560
341 Asn Lys His Arg Thr Leu Lys Leu Glu Gly Arg Arg His Ser Arg Val
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345 Val Gly Pro Ser Ser Tyr Cys Cys Asp Gly Asp Ala Asn Val Pro Lys
346 580 585 590
349 Glu Gln Ala Ser Cys Ser Leu Asp Pro Lys Ala Thr Ala Ser Ser Val
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353 Ala Lys Thr Leu Val Arg Ala Pro Val His Gln Ala Gly Leu Ala Lys
354 610 615 620
357 Val Pro Ala Asp Val Phe Glu Asp Ser Pro Gly Glu Val Lys Pro Leu
358 625 630 635 640
361 Ser Gln Ser Phe Ala Thr Val Glu Arg Glu Glu Asp Ile Leu Pro Ile
362 645 650 655
365 Pro Ser Met Lys Ala Ala Val Ser Ser Lys Glu Ile Asn Thr Pro Ala
366 660 665 670
369 Phe Ala Asn Gln Glu Thr Ile Glu Val Ser Ser Ala Asp Asp Ser Met

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378	705	710	715
381	Asp Phe Asn Ser Ser Asp Asn Ser Arg Phe Pro Gly Ile Cys Gln Thr		
382	725	730	735
385	Gln Phe Asp Ser His Val Gln Glu Lys Ile Ala Asp Arg Val Gly Leu		
386	740	745	750
389	Leu Arg Ala Arg Glu Lys Ile Leu Leu Gln Phe Lys Ala Phe Gln		
390	755	760	765
393	Leu Ser Trp Lys Lys Asp Leu Asp Gln Leu Ala Leu Ala Lys Tyr Gln		
394	770	775	780
397	Ser Lys Ser Ser Lys Lys Thr Glu Leu Tyr Pro Asn Ala Lys Asn Gly		
398	785	790	795
401	Gly Tyr Leu Lys Leu Pro Gln Ser Val Arg Leu Arg Phe Ser Ser Ser		
402	805	810	815
405	Ala Pro Arg Arg Asp Ser Val Val Pro Thr Thr Glu Leu Val Ser Tyr		
406	820	825	830
409	Met Glu Lys Leu Leu Pro Gly Thr His Leu Lys Pro Phe Arg Asp Ile		
410	835	840	845
413	Leu Lys Met Pro Ala Met Ile Leu Asp Glu Lys Glu Arg Val Met Ser		
414	850	855	860
417	Arg Phe Ile Ser Ser Asn Gly Leu Ile Glu Asp Pro Cys Asp Val Glu		
418	865	870	875
421	Lys Glu Arg Thr Met Ile Asn Pro Trp Thr Ser Glu Glu Lys Glu Ile		
422	885	890	895
425	Phe Leu Asn Leu Leu Ala Met His Gly Lys Asp Phe Lys Lys Ile Ala		
426	900	905	910
429	Ser Ser Leu Thr Gln Lys Thr Thr Ala Asp Cys Ile Asp Tyr Tyr Tyr		
430	915	920	925
433	Lys Asn His Lys Ser Asp Cys Phe Gly Lys Ile Lys Lys Gln Arg Ala		
434	930	935	940
437	Tyr Gly Lys Glu Gly Lys His Thr Tyr Met Leu Ala Pro Arg Lys Lys		
438	945	950	955
441	Trp Lys Arg Glu Met Gly Ala Ala Ser Leu Asp Ile Leu Gly Asp Val		
442	965	970	975
445	Ser Ile Ile Ala Ala Asn Ala Gly Lys Val Ala Ser Thr Arg Pro Ile		
446	980	985	990
449	Ser Ser Lys Lys Ile Thr Leu Arg Gly Cys Ser Ser Ala Asn Ser Leu		
450	995	1000	1005
453	Gln His Asp Gly Asn Asn Ser Glu Gly Cys Ser Tyr Ser Phe Asp		
454	1010	1015	1020
457	Phe Pro Arg Lys Arg Thr Ala Gly Ala Asp Val Leu Ala Val Gly		
458	1025	1030	1035
461	Pro Leu Ser Pro Glu Gln Ile Asn Ser Cys Leu Arg Thr Ser Val		
462	1040	1045	1050
465	Ser Ser Arg Glu Arg Cys Met Asp His Leu Lys Phe Asn His Val		
466	1055	1060	1065

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 06/24/2005
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:5; N Pos. 661,662,663,664,665,1186

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/539,213

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L:9 M:270 C: Current Application Number differs, Replaced Current Application No

L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:746 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:660

M:341 Repeated in SeqNo=5